WHAT IS CLAIMED IS:

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1. A storage system comprising:

a plurality of storage devices each including a storage medium for storing data;

a controller for controlling said plurality of storage devices; and

means for notifying an external device of a change in data stored in a specific one of said plurality of storage devices, said external device being connected to said controller.

2. The storage system as claimed in claim 1, further comprising:

an interface for externally selecting said specific one of said plurality of storage devices, wherein said change in said data stored in said specific one of said plurality of storage devices is to be notified to said external device.

3. A storage system comprising:

a plurality of storage devices each including a storage medium for storing data;

a controller for controlling said plurality of storage devices; and

means for notifying an external device of a change in a state of a specific one of said plurality of storage devices, said external device being connected to said controller.

4. The storage system as claimed in claim 3, further

comprising:

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an interface for externally selecting said specific one of said plurality of storage devices, wherein said change in said state of said specific one of said plurality of storage devices is to be notified to said external device.

5. A computer system comprising:

a connecting device for transmitting/receiving a control signal and data to/from a storage system, said connecting device being connected to said storage system; and

an interface for receiving a notification indicating that data stored in a specific storage device within said storage system has been changed, said storage system being connected to said interface through said connecting device.

6. The computer system as claimed in claim 5, further comprising:

an interface for selecting a storage device which is to receive a notification indicating that data has been changed, and indicating said selected storage device to said storage system.

7. A computer system comprising:

a connecting device for transmitting/receiving a control signal and data to/from a storage system, said connecting device being connected to said storage system; and

an interface for, from said storage system, receiving

25 a notification indicating that a state of a controller within

said storage system has been changed, said storage system being connected to said interface through said connecting device.

8. A data control method for duplicating data in a system, said system comprising: a primary system including a first computer system and a first storage system connected to said first computer system; and a secondary system including a second computer system and a second storage system connected to said second computer system;

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wherein at least said first storage system and said second storage system are connected to each other;

said data control method comprising the steps of:

into a specific storage device within said first storage system, registering (storing) a log based on which an update of data stored in said first storage system can be recreated, said data being produced as a result of processing performed by said first computer system;

copying said log registered in said specific storage device within said first storage system to a specific storage device within said second storage system, said specific storage device within said second storage system being set to duplicate said log;

updating said data stored in said first storage system, said data being produced as a result of said processing performed by said first computer system;

25 notifying said second computer system of a change in data

stored in said specific storage device within said second storage system, said change being made as a result of performing said copying step;

reading said change in said data stored in said specific storage device within said second storage system, this step being performed by said second computer system; and

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updating a duplicate of said data (stored in said first storage system) based on a log read by said second computer system, said duplicate being stored in said second storage system.

- 9. The data control method as claimed in claim 8, wherein said log based on which said update of said data stored in said first storage system can be recreated includes one or a plurality of transactions and information for specifying a start and an end of each transaction, said data being produced as a result of said processing performed by said first computer system;
- 10. The data control method as claim in claim 8, wherein into said specific storage device within said first storage system, said registering step registers said log based on which said update of said data stored in said first storage system can be recreated, in log input/output units specified by said first computer system, said data being produced as a result of said processing performed by said first computer system.
- 11. The data control method as claimed in claim 8, wherein: said registering step and said copying step are 25 performed in synchronization with each other;

into said specific storage device within said first storage system, said registering step registers said log based on which said update of said data stored in said first system can be recreated, said data being produced as a result of said processing performed by said first computer system; and

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said copying step copies said log registered in said specific storage device within said first storage system to said specific storage device within said second storage system, said specific storage device within said second storage system being set to duplicate said log.

- 12. The data control method as claimed in claim 8, wherein said notifying step notifies said second computer system of said change in said data stored in said specific storage device within said second storage system at regular time intervals.
- 13. The data control method as claimed in claim 8, wherein said notifying step notifies said second computer system of said change in said data stored in said specific storage device within said second storage system by controlling said second storage system through an interface for controlling said second storage system from said first storage system.
- 14. The data control method as claimed in claim 13, wherein said control of said second storage system is performed according to an instruction from said first computer system.
- 15. The data control method as claimed in claim 8, further25 comprising steps of:

detecting shutdown of said first computer system; and taking over application processing from said first computer system, this step being performed by said second computer system.

16. The data control method as claimed in claim 8, further comprising steps of:

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detecting shutdown of said first computer system;

taking over application processing from said first

computer system, this step being performed by said second

computer system; and

reading a log from said specific storage device within said second storage system and updating data based on said read log, this step being performed by said second computer system.

17. The data control method as claimed in claim 15, 15 further comprising steps of:

restoring said first computer system after said second computer system has taken over said application processing; and

switching the functions of said primary system and said secondary system so as to create a duplicate of a database stored in said second storage system and store said duplicate in said first storage system.

18. A data control method for duplicating data in a system, said system comprising: a primary system including a first computer system and a first storage system connected to said first computer system; and a secondary system including a second

computer system and a second storage system connected to said second computer system;

wherein at least said first storage system and said second storage system are connected to each other;

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said data control method comprising the steps of:

into a specific storage device within said first storage system, storing a log based on which an update of data stored in said first storage system can be recreated, said data being produced as a result of processing performed by said first computer system;

copying said log stored in said specific storage device within said first storage system to a specific storage device within said second storage system, said specific storage device within said second storage system being set to duplicate said log;

updating said data stored in said first storage system, said data being produced as a result of said processing performed by said first computer system;

detecting a change in data stored in said specific storage device within said second storage system, said change being made as a result of performing said copying step, this detecting step being performed by said second computer system;

reading said change in said data stored in said specific storage device within said second storage system, this step being performed by said second computer system; and

reading a log and updating a duplicate of said data (stored in said first storage system) based on said log, said duplicate being stored in said second storage system, this step being performed by said second computer system.

19. The data control method as claimed in claim 18, wherein said log based on which said update of said data stored in said first storage system can be recreated includes one or a plurality of transactions and information for specifying a start and an end of each transaction, said data being produced as a result of said processing performed by said first computer system.

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- 20. The data control method as claimed in claim 18, wherein into said specific storage device within said first storage system, said registering step registers said log based on which said update of said data stored in said first storage system can be recreated, in log input/output units specified by said first computer system, said data being produced as a result of said processing performed by said first computer system.
- 20 21. The data control method as claimed in claim 18, wherein:

said registering step and said copying step are performed in synchronization with each other;

into said specific storage device within said first
25 storage system, said registering step registers said log based

on which said update of said data stored in said first system can be recreated, said data being produced as a result of said processing performed by said first computer system; and

said copying step copies said log registered in said specific storage device within said first storage system to said specific storage device within said second storage system, said specific storage device within said second storage system being set to duplicate said log.

22. The data control method as claimed in claim 18, 10 further comprising steps of:

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detecting shutdown of said first computer system; and taking over application processing from said first computer system, this step being performed by said second computer system.

15 23. The data control method as claimed in claim 18, further comprising steps of:

detecting shutdown of said first computer system;
taking over application processing from said first
computer system, this step being performed by said second
computer system; and

reading a log from said specific storage device within said second storage system and updating data based on said read log, this step being performed by said second computer system.